



Trigonometric Ratios: Finding a Side

Mana Maths

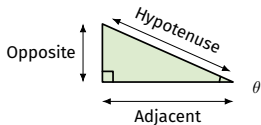
SOH CAH TOA - Finding a Side



Key idea

Relative to θ : $\sin \theta = O/H$,
 $\cos \theta = A/H$, $\tan \theta = O/A$.

Label relative to θ



Finding a side

$\theta = 32^\circ$, adjacent = 12 m:
 $\tan 32^\circ = x/12$
 $x = 12 \tan 32^\circ = 7.50 \text{ m (3 s.f.)}$

Common mistake

Opposite and adjacent depend on where θ is. Label them before choosing a ratio.



= copy this into your book. Boxes without a pencil are just to read.